

Listing of the Claims

1. (Cancelled)

2. (Previously Presented) The method according to claim 6, wherein speed and/or the volume of the second speech signal matches speed and/or the volume of the first speech signal.

3. (Previously Presented) The method according to claim 6, further including:

applying a set of filter functions to the first speech signal to approximate a spectrum of the first speech signal relative to a spectrum of the second speech signal.

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4. (Previously Presented) The method according to claim 9, further including:

applying an inverse speech transcription process to the second speech signal,

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generating a feature vector sequence from the text, using at least one of:

(a) statistical models of the speech-to-text transcription system and

(b) a state sequence obtained in the process of transcription of the text from the first speech signal.

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5. (Previously Presented) The method according to claim 9, wherein comparing the first and second speech signals includes subtracting or superimposing the first and second speech signals.

6. (Previously Presented) A method for error detection within text transcribed from a first speech signal by an automatic speech-to-text transcription system, comprising:

- 5 synthesizing a second speech signal from the transcribed text;
 providing first and second speech signal outputs for a comparison between first and second speech signals for an identification of potential errors in the text;
- subtracting or superimposing first and second speech signals to
10 generate a comparison signal; and
 at least one of:
 - providing the comparison signal acoustically and/or
visually, and
 - outputting an error indication when an amplitude of the
15 comparison signal is beyond a predefined range.

7. (Previously Presented) The method according to claim 9, further including:

 outputting an error indication in response to an amplitude of the comparison signal being beyond a predefined range.

8. (Previously Presented) The method according to claim 7, further including:

 outputting the error indication visually with transcribed text on a graphical user interface.

9. (Previously Presented) A method for error detection within text transcribed from a first speech signal by an automatic speech-to-text transcription system, comprising:

- synthesizing a second speech signal from the transcribed text;
- 5 comparing the first and second speech signals to identify potential errors in the transcribed text to generate a comparison signal; and

identifying a pre-trained pattern in the comparison signal indicative of an error in the text using pattern recognition.

10. (Previously Presented) The method according to claim 9, further including:

providing a correction suggestion indicative of a detected type of error in the transcribed text.

11. (Cancelled)

12. (Previously Presented) The detection system according to claim 14, wherein the error detection module subtracts or superimposes the first and second speech signals.

13. (Currently Amended) An error detection system for a speech-to-text transcription system to provide a transcribed text from a first speech signal, the error detection system comprising:

5 a speech synthesis module which synthesizes a second speech signal from the transcribed text,

an error detection module which compares the first and second speech signals for an identification of potential errors in the transcribed text, the error detection module ~~performs~~performing at least one of:

10 acoustically or visually providing at least one of the first and second speech signals, a difference speech signal, and a superimposition of the first and second speech signals, and using pattern recognition to determine a type of error.

14. (Previously Presented) An error detection system for a speech-to-text transcription system that transcribes text from a first speech signal, the error detection system comprising:

5 a speech synthesis module which synthesizes a second speech signal from the transcribed text;

an error detection module which compares the first and second speech signals to identify at least one potential error in the transcribed text and at least one of:

outputs an error indication when the comparison is beyond a predefined range, and

10 provides a correction suggestion with a detected type of error in the transcribed text.

15. (Previously Presented) The detection system according to claim 12, wherein the error detection module generates a comparison signal, a distinct pattern in the comparison signal being assigned to a corresponding type of error in the transcribed text and a correction suggestion being provided in accordance with the
5 detected type of error in the transcribed text.

16. (Cancelled)

17. (Previously Presented) The computer readable medium according to claim 18, wherein the computer program further controls the computer to perform the step of:

subtracting or superimposing first and second speech signals.

18. (Previously Presented) A computer readable medium having stored thereon a computer program for controlling a computer to perform error detection for a speech-to-text transcription system that provides a transcribed text from a first speech signal, the computer program controlling the computer to perform the steps of:

5 synthesizing a second speech signal from the transcribed text;

matching speed and/or volume of the second speech signal to speed and/or volume of the first speech signal;

providing first and second speech signal outputs for a comparison between first and second speech signals; and

10 at least one of:

providing the first and second speech signals and/or the comparison signal acoustically or visually for error detection purpose,

outputting an error indication when the comparison
between the first and second signals is beyond a predefined range, and
15 assigning distinct patterns in the comparison between
the first and second signals to corresponding types of errors in the
transcribed text and providing correction suggestions for the detected
errors in the transcribed text.

19-20. (Cancelled)

21. (Previously Presented) The method of claim 6, further comprising:
assigning a pattern in the comparison signal that does not match any
pre-trained patterns as a new pre-trained pattern indicative of a new type of error in
the text.

22. (Previously Presented) The detection system of claim 13, wherein
the error detection module further assigns a distinct pattern that does not match any
previous distinct pattern as a new distinct pattern indicative of a new detected type of
error in the transcribed text.

23. (Previously Presented) The computer program according to claim
18, wherein the computer program further controls the computer to perform the steps
of:

5 assigning a distinct pattern in the comparison between the first and
second speech signals that does not match any previous distinct patterns as a new
distinct pattern indicative of a new detected type of error in the transcribed text.